



July 3, 2025

WONTECH Co., Ltd.
Hyun Yoon
Team Leader
64 Techono 8-ro, Yuseong-gu
Daejeon, 34028
Korea, South

Re: K250165

Trade/Device Name: Pastelle

Regulation Number: 21 CFR 878.4810

Regulation Name: Laser Surgical Instrument For Use In General And Plastic Surgery And In
Dermatology

Regulatory Class: Class II

Product Code: GEX

Dated: June 5, 2025

Received: June 5, 2025

Dear Hyun Yoon:

We have reviewed your section 510(k) premarket notification of intent to market the device referenced above and have determined the device is substantially equivalent (for the indications for use stated in the enclosure) to legally marketed predicate devices marketed in interstate commerce prior to May 28, 1976, the enactment date of the Medical Device Amendments, or to devices that have been reclassified in accordance with the provisions of the Federal Food, Drug, and Cosmetic Act (the Act) that do not require approval of a premarket approval application (PMA). You may, therefore, market the device, subject to the general controls provisions of the Act. Although this letter refers to your product as a device, please be aware that some cleared products may instead be combination products. The 510(k) Premarket Notification Database available at <https://www.accessdata.fda.gov/scripts/cdrh/cfdocs/cfpmn/pmn.cfm> identifies combination product submissions. The general controls provisions of the Act include requirements for annual registration, listing of devices, good manufacturing practice, labeling, and prohibitions against misbranding and adulteration. Please note: CDRH does not evaluate information related to contract liability warranties. We remind you, however, that device labeling must be truthful and not misleading.

If your device is classified (see above) into either class II (Special Controls) or class III (PMA), it may be subject to additional controls. Existing major regulations affecting your device can be found in the Code of Federal Regulations, Title 21, Parts 800 to 898. In addition, FDA may publish further announcements concerning your device in the Federal Register.

Additional information about changes that may require a new premarket notification are provided in the FDA guidance documents entitled "Deciding When to Submit a 510(k) for a Change to an Existing Device" (<https://www.fda.gov/media/99812/download>) and "Deciding When to Submit a 510(k) for a Software Change to an Existing Device" (<https://www.fda.gov/media/99785/download>).

Your device is also subject to, among other requirements, the Quality System (QS) regulation (21 CFR Part 820), which includes, but is not limited to, 21 CFR 820.30, Design controls; 21 CFR 820.90, Nonconforming product; and 21 CFR 820.100, Corrective and preventive action. Please note that regardless of whether a change requires premarket review, the QS regulation requires device manufacturers to review and approve changes to device design and production (21 CFR 820.30 and 21 CFR 820.70) and document changes and approvals in the device master record (21 CFR 820.181).

Please be advised that FDA's issuance of a substantial equivalence determination does not mean that FDA has made a determination that your device complies with other requirements of the Act or any Federal statutes and regulations administered by other Federal agencies. You must comply with all the Act's requirements, including, but not limited to: registration and listing (21 CFR Part 807); labeling (21 CFR Part 801); medical device reporting (reporting of medical device-related adverse events) (21 CFR Part 803) for devices or postmarketing safety reporting (21 CFR Part 4, Subpart B) for combination products (see <https://www.fda.gov/combination-products/guidance-regulatory-information/postmarketing-safety-reporting-combination-products>); good manufacturing practice requirements as set forth in the quality systems (QS) regulation (21 CFR Part 820) for devices or current good manufacturing practices (21 CFR Part 4, Subpart A) for combination products; and, if applicable, the electronic product radiation control provisions (Sections 531-542 of the Act); 21 CFR Parts 1000-1050.

All medical devices, including Class I and unclassified devices and combination product device constituent parts are required to be in compliance with the final Unique Device Identification System rule ("UDI Rule"). The UDI Rule requires, among other things, that a device bear a unique device identifier (UDI) on its label and package (21 CFR 801.20(a)) unless an exception or alternative applies (21 CFR 801.20(b)) and that the dates on the device label be formatted in accordance with 21 CFR 801.18. The UDI Rule (21 CFR 830.300(a) and 830.320(b)) also requires that certain information be submitted to the Global Unique Device Identification Database (GUDID) (21 CFR Part 830 Subpart E). For additional information on these requirements, please see the UDI System webpage at <https://www.fda.gov/medical-devices/device-advice-comprehensive-regulatory-assistance/unique-device-identification-system-udi-system>.

Also, please note the regulation entitled, "Misbranding by reference to premarket notification" (21 CFR 807.97). For questions regarding the reporting of adverse events under the MDR regulation (21 CFR Part 803), please go to <https://www.fda.gov/medical-devices/medical-device-safety/medical-device-reporting-mdr-how-report-medical-device-problems>.

For comprehensive regulatory information about medical devices and radiation-emitting products, including information about labeling regulations, please see Device Advice (<https://www.fda.gov/medical-devices/device-advice-comprehensive-regulatory-assistance>) and CDRH Learn (<https://www.fda.gov/training-and-continuing-education/cdrh-learn>). Additionally, you may contact the Division of Industry and Consumer Education (DICE) to ask a question about a specific regulatory topic. See the DICE website (<https://www.fda.gov/medical-devices/device-advice-comprehensive-regulatory->

[assistance/contact-us-division-industry-and-consumer-education-dice](#)) for more information or contact DICE by email (DICE@fda.hhs.gov) or phone (1-800-638-2041 or 301-796-7100).

Sincerely,

MARK
MACIOS -S

Digitally signed by
MARK MACIOS -S
Date: 2025.07.03
09:49:40 -04'00'

for Tanisha Hithe
Assistant Director
DHT4A: Division of General Surgery Devices
OHT4: Office of Surgical and
Infection Control Devices
Office of Product Evaluation and Quality
Center for Devices and Radiological Health

Enclosure

Indications for Use

510(k) Number (if known)

K250165

Device Name

Pastelle

Indications for Use (Describe)

The Pastelle laser system is intended for use in aesthetic, cosmetic and surgical applications requiring incision, excision, ablation, vaporization of soft tissues for general dermatology, dermatologic and general surgical procedures for coagulation and hemostasis.

1064nm in nanosecond mode, including microbeam handpieces:

- Tattoo removal: dark ink (black, blue, and brown)
- Removal of Nevus of Ota
- Removal or lightening of unwanted hair with or without adjuvant preparation
- Treatment of Common Nevi
- Skin resurfacing procedures for the treatment of acne scars and wrinkles
- Treatment of melasma

1064nm in Genesis (long-pulse) mode:

- Treatment of wrinkles
- Treatment of mild to moderate inflammatory acne vulgaris

532nm in nanosecond mode, including microbeam handpieces (nominal delivered energy of 595 nm and 660 nm with optional dye handpieces):

- Tattoo removal: light ink (red, tan, purple, orange, sky blue, green)
- Removal of Epidermal Pigmented Lesions
- Removal of Minor Vascular Lesions including but not limited to telangiectasias
- Skin resurfacing procedures for the treatment of acne scars and wrinkles
- Treatment of Lentigines
- Treatment of Café-au-Lait
- Treatment of Seborrheic Keratoses
- Treatment of Post Inflammatory Hyperpigmentation
- Treatment of Becker's Nevi, Freckles, and Nevi spilus

Type of Use (Select one or both, as applicable)

☒ Prescription Use (Part 21 CFR 801 Subpart D)

☐ Over-The-Counter Use (21 CFR 801 Subpart C)

CONTINUE ON A SEPARATE PAGE IF NEEDED.

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510(k) Summary

[As required by 21 CFR 807.92]

K250165

1. Date Prepared [21 CFR 807.92(a)(a)]

June 27, 2025

2. Submitter's Information & Contact Person [21 CFR 807.92(a)(1)]

- Name of Manufacturer: WON TECH Co., Ltd.
- Address: 64 Techno 8-ro, Yuseong-gu, Daejeon, 34028, Republic of Korea
- Contact Name: Hyun Sik Yoon
- Telephone No.: +82-10-6750-5346
- Fax No.: +82-70-7836-0110
- Email Address: yoonhs21@wtlaser.com

3. Trade Name, Common Name, Classification [21 CFR 807.92(a)(2)]

Common name: Q-switched Nd:YAG Laser System
Trade name: Pastelle

Classification Description	21 CFR Section	Product Code
Powered Laser Surgical Instrument	878.4810	GEX

As stated in 21 CFR, parts 878.4810, this generic types of devices has been classified as Class II.

4. Identification of Predicate Device(s) [21 CFR 807.92(a)(3)]

The identified predicate devices within this submission are shown as follow:

#1 Predicate device

- 510(k) Number: K123293
- Applicant: WON TECH Co., Ltd.
- Classification Name: Powered Laser Surgical Instrument
- Trade Name: Pastelle

#2 Predicate device

- 510(k) Number: K241529
- Applicant: WON TECH Co., Ltd.
- Classification Name: Powered Laser Surgical Instrument
- Trade Name: Pastelle Pro

#3 Predicate device

- 510(k) Number: K213569
- Applicant: Lutronic Corporation
- Classification Name: Powered Laser Surgical Instrument
- Trade Name: HOLLYWOOD SPECTRA Laser System

5. Description of the Device [21 CFR 807.92(a)(4)]

The Pastelle laser system consists of an Nd:YAG laser head, a power supply, a cooling system, a delivery system and other electrical components. The laser head contains two Nd:YAG laser medium, and two high-intensity xenon flash lamps enclosed together into the water cooling housing and two reflected mirrors fixed ,in the special adjustable holders composed the laser cavity.

6. Indications for Use [21 CFR 807.92(a)(5)]

The Pastelle system is intended for use in aesthetic, cosmetic and surgical applications requiring incision, excision, ablation, vaporization of soft tissues for general dermatology, dermatologic and general surgical procedures for coagulation and hemostasis.

1064nm in nanosecond mode, including microbeam handpieces:

- Tattoo removal: dark ink (black, blue, and brown)
- Removal of Nevus of Ota
- Removal or lightening of unwanted hair with or without adjuvant preparation
- Treatment of Common Nevi

- Skin resurfacing procedures for the treatment of acne scars and wrinkles
- Treatment of melasma

1064nm in Genesis (long-pulse) mode:

- Treatment of wrinkles
- Treatment of mild to moderate inflammatory acne vulgaris

532nm in nanosecond mode, including microbeam handpieces (nominal delivered energy of 595 nm and 660 nm with optional dye handpieces):

- Tattoo removal: light ink (red, tan, purple, orange, sky blue, green)
- Removal of Epidermal Pigmented Lesions
- Removal of Minor Vascular Lesions including but not limited to telangiectasias
- Skin resurfacing procedures for the treatment of acne scars and wrinkles
- Treatment of Lentigines
- Treatment of Café-au-Lait
- Treatment of Seborrheic Keratoses
- Treatment of Post Inflammatory Hyperpigmentation
- Treatment of Becker's Nevi, Freckles, and Nevi spilus

7. Determination of Substantial Equivalence [21 CFR 807.92(a)(6) and 21 CFR 807.92(b)]

There are no significant differences between the Pastelle and the predicate devices that would adversely affect the use of the product. It is substantially equivalent to this device in design, function, and technical characteristics.

	Proposed Device	Predicate Device #1	Predicate Device #2	Predicate Device #3	SE Decision
K Number	-	K123293	K241529	K213569	-
Manufacturer	WONTECH Co., Ltd.	WONTECH Co., Ltd.	WONTECH Co., Ltd.	Lutronic Corporation	-
Model	Pastelle	Pastelle	Pastelle Pro	HOLLYWOOD SPECTRA Laser System	-
Product Code	GEX	GEX	GEX	GEX	Same
Intended Use	The Pastelle system is intended for use in aesthetic, cosmetic and surgical applications requiring incision, excision, ablation, vaporization of soft tissues for general dermatology, dermatologic and general surgical procedures for coagulation and hemostasis. 1064nm in nanosecond mode, including microbeam handpieces: - Tattoo removal: dark ink (black, blue, and brown) - Removal of Nevus of Ota - Removal or lightening of unwanted hair with or without adjuvant preparation	Pastelle Q-Switched Nd:YAG Laser System is indicated for the Incision, Excision, Ablation and Vaporization of Soft Tissue for General Dermatology, Dermatologic and General Surgical Procedures for Coagulation and Hemostasis.	The Pastelle Pro system is intended for use in aesthetic, cosmetic and surgical applications requiring incision, excision, ablation, vaporization of soft tissues for general dermatology, dermatologic and general surgical procedures for coagulation and hemostasis. 1064nm in nanosecond mode, including microbeam handpieces: - Tattoo removal: dark ink (black, blue, and brown) - Removal of Nevus of Ota - Removal or lightening of unwanted hair with or without adjuvant preparation	The HOLLYWOOD SPECTRA System is intended for use in aesthetic, cosmetic and surgical applications requiring incision, excision, ablation, vaporization of soft tissues for general dermatology, dermatological and general surgical procedures for coagulation and hemostasis. 1064nm in nanosecond mode, including microbeam handpieces: - Tattoo removal: dark ink (black, blue, and brown) - Removal of Nevus of Ota - Removal or lightening of unwanted hair with or without adjuvant preparation	Same as Predicate Device #2 and 3

- Treatment of Common Nevi - Skin resurfacing procedures for the treatment of acne scars and wrinkles - Treatment of melasma 1064nm in Genesis (long-pulse) mode: - Treatment of wrinkles - Treatment of mild to moderate inflammatory acne vulgaris 532nm in nanosecond mode, including microbeam handpieces (nominal delivered energy of 595 nm and 660 nm with optional dye handpieces): - Tattoo removal: light ink (red, tan, purple, orange, sky blue, green) - Removal of Epidermal Pigmented Lesions - Removal of Minor Vascular Lesions including but not limited to telangiectasias - Skin resurfacing procedures for the treatment of acne scars and wrinkles - Treatment of Lentigines - Treatment of Café-au-Lait - Treatment of Seborrheic Keratoses - Treatment of Post Inflammatory Hyperpigmentation - Treatment of Becker's Nevi, Freckles, and Nevi spilus		- Treatment of Common Nevi - Skin resurfacing procedures for the treatment of acne scars and wrinkles - Treatment of melasma 1064nm in Genesis (long-pulse) mode: - Treatment of wrinkles - Treatment of mild to moderate inflammatory acne vulgaris 532nm in nanosecond mode, including microbeam handpieces (nominal delivered energy of 595 nm and 660 nm with optional dye handpieces): - Tattoo removal: light ink (red, tan, purple, orange, sky blue, green) - Removal of Epidermal Pigmented Lesions - Removal of Minor Vascular Lesions including but not limited to telangiectasias - Skin resurfacing procedures for the treatment of acne scars and wrinkles - Treatment of Lentigines - Treatment of Café-au-Lait - Treatment of Seborrheic Keratoses - Treatment of Post Inflammatory Hyperpigmentation - Treatment of Becker's Nevi,	- Treatment of Common Nevi - Skin resurfacing procedures for the treatment of acne scars and wrinkles - Treatment of melasma 1064nm in Spectra (long-pulse) mode: - Treatment of wrinkles - Treatment of mild to moderate inflammatory acne vulgaris 532nm in nanosecond mode, including microbeam handpieces (nominal delivered energy of 585 nm and 650 nm with optional dye handpieces): - Tattoo removal: light ink (red, tan, purple, orange, sky blue, green) - Removal of Epidermal Pigmented Lesions - Removal of Minor Vascular Lesions including but not limited to telangiectasias - Skin resurfacing procedures for the treatment of acne scars and wrinkles - Treatment of Lentigines - Treatment of Café-au-Lait - Treatment of Seborrheic Keratoses - Treatment of Post Inflammatory Hyperpigmentation - Treatment of Becker's Nevi, Freckles, and Nevi spilus	
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			Freckles, and Nevi spilus		
Principle/Method of Operation	The Pastelle laser system consists of an Nd:YAG laser head, a power supply, a cooling system, a delivery system and other electrical components. The laser head contains two Nd:YAG laser medium, and two high-intensity xenon flash lamps enclosed together into the water cooling housing and two reflected mirrors fixed ,in the special adjustable holders composed the laser cavity.	The Pastelle laser system consists of an Nd:YAG Laser head, a Power supply and a cooling system. The laser head contains two Nd:YAG laser medium, and two high-intensity xenon flash lamps enclosed together into the water cooling housing and two reflected mirrors fixed ,in the special adjustable holders composed the laser cavity.	The Pastelle Pro laser system consists of an Nd:YAG laser head, a power supply, a cooling system, a delivery system and other electrical components. The laser head contains two Nd:YAG laser medium, and two high-intensity xenon flash lamps enclosed together into the water cooling housing and two reflected mirrors fixed ,in the special adjustable holders composed the laser cavity.	The HOLLYWOOD SPECTRA Laser System contains a Nd:YAG (Neodymium-doped Yttrium Aluminum Garnet) resonator which generates Q-switched and/or pulsed laser sources at the nominal wavelength of 1064 nm and 532 nm using KTP. The outputs of each laser generator and the aiming beam (655 nm) are delivered by articulated arm to a fixed (collimated), or focusing variable (zoom) spot handpiece, or a dual focused dots microbeam handpiece, or a 585nm/650nm dye laser converter handpiece. The dye handpieces convert the KTP 532 nm wavelength beam into a 585 nm or 650 nm wavelengths, correspondingly.	Same as Predicate Device #1 and #2 (Q-switched, Nd:YAG)
Laser Material	Nd:YAG	Nd:YAG	Nd:YAG	Nd:YAG	Same

	Proposed Device	Predicate Device #1	Predicate Device #2	Predicate Device #3	SE Decision
Radiation diameter	Zoom: 2mm ~ 10mm DOE: 5mm x 5mm ~ 7mm x 7mm	Zoom: 2mm ~ 10mm	Zoom: 2mm ~ 10mm Collimation: 7mm MLA: 3mm ~ 8mm DOE: 5mm x 5mm ~ 7mm x 7mm Dye: 3mm	1064 Zoom: 1 ~ 7mm (Q-Switch, Spectra) / 2 ~ 7mm (Q-PTP, Q-3, Q-4) 532 Zoom: 0.8 ~ 6mm Collimation: 3 ~ 8mm MDF: 1064(4~8mm) / 532(3.4~6.9mm)	Same (The range of specification of submitted device is covered by all predicate

				Dye: 2~5mm	devices' feature)
Laser output power	Genesis mode: 100 ~ 3,500 mJ 1064 nm mode: 80 ~ 1,300 mJ 1064 nm PTP mode: 80 ~ 1,600 mJ 532 nm mode: 10 ~ 500 mJ 1064 nm DOE mode: 80 ~ 900 mJ	Genesis mode: 100 ~ 2,000 mJ 1064 nm mode: 80 ~ 1,300 mJ 532 nm mode: 10 ~ 500 mJ	Genesis mode: 100 ~ 5,000 mJ 1064 nm mode: 50 ~ 1,200 mJ 1064 nm PTP mode: 600 ~ 2,000 mJ 1064 nm Triple mode: 1,000 ~ 1400 mJ 1064 nm 2x PTP mode: 1,000 ~ 1400 mJ 532 nm mode: 30 ~ 500 mJ 1064 nm DOE mode: 60 ~ 900 mJ 595 nm Dye mode: 30 ~ 250 mJ	Spectra: Up to 1500mJ 1064nm: Up to 1200mJ 1064nm PTP: Up to 1400mJ 1064nm Q-3, Q-4: Up to 1400mJ 532nm: Up to 400mJ	Same (The range of specification of submitted device is covered by all predicate devices' feature)
Pulse width	Genesis mode: 80~480μs PTP mode: 4~48ns 1064, 532 mode: 4~48ns	Genesis mode: 250~350μs 1064 mode: 4~48ns 532 mode: 4~48ns	532nm/1064nm mode: 5ns~12ns 1064 PTP/Triple/2X PTP: Up to 20ns Genesis mode: 80~300μs	Normal: 5~10ns 1064 Q-3, Q-4: 10~20ns Spectra mode: 190μs	Same (The range of specification of submitted device is covered by all predicate devices' feature)
Pulse repetition rate	Genesis mode: 1 ~ 10 Hz 1064 nm mode: 1 ~ 10 Hz 1064 nm PTP mode: 1 ~ 10 Hz 532 nm mode: 1 ~ 10 Hz 1064 nm DOE mode: 1 ~ 10 Hz	Genesis mode: 1 ~ 10 Hz 1064 nm mode: 1 ~ 10 Hz 532 nm mode: 1 ~ 10 Hz	Genesis mode: 1 ~ 10 Hz 1064 nm mode: 1 ~ 10 Hz 1064 nm PTP mode: 1 ~ 10 Hz 1064 nm Tripple mode: 1 ~ 10 Hz 1064 nm 2x PTP mode: 1 ~ 10 Hz 532 nm mode: 1 ~ 10 Hz 1064 nm DOE mode: 1 ~ 10 Hz 595 nm Dye mode: 1 ~ 5 Hz 660 nm Dye mode: 1 ~ 2 Hz	1064, 532nm: Up to 10Hz	Same (The range of specification of submitted device is covered by all predicate devices' feature)

Non-Clinical Test Summary [21 CFR 807.92(b)(1)]

1) Electrical Safety, Electromagnetic Compatibility Testing

Bench tests were conducted to verify that the proposed device met all design specifications. The test results demonstrated that the proposed device complies with the following standards:

Standard (Edition)	Standard Title
IEC 60601-1:2005/AMD2:2020	Medical electrical equipment — Part 1: General requirements for basic safety and essential performance — Amendment 2
IEC 60601-1-2:2014+A1:2020	Medical electrical equipment — Part 1-2: General requirements for basic safety and essential performance — Collateral Standard: Electromagnetic disturbances — Requirements and tests
IEC 60601-1-6:2010/AMD2:2020	Medical electrical equipment — Part 1-6: General requirements for basic safety and essential performance — Collateral Standard: Usability — Amendment 2
IEC 60601-2-22:2019	Medical electrical equipment — Part 2-22: Particular requirements for the basic safety and essential performance of surgical, cosmetic, therapeutic and diagnostic laser equipment
IEC 60825-1:2014 (Third Edition)	Safety of laser products - Part 1: Equipment classification and requirements

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2) Software Validation

The PASTELLE contains BASIC documentation level software. Software was designed and developed according to a software development process and was verified and validated.

The software information is provided in accordance with FDA guidance: The content of premarket submissions for software contained in medical devices, on May 11, 2005.

3) Biocompatibility

Part	Material	Patient Contact	Duration of Contact by ISO 10993-1	Bio-compatibility
Handpiece Tip	Aluminium Powder (Cas No. 7429-90-5)	Intact Skin	Limited (< 24 hours)	Yes

4) Performance Testing

The performance of the PASTELLE has been defined as follows.

Treatment Laser

- Genesis mode (1064nm): Up to 3500mJ (80µs to 480µs)
- PTP mode (1064nm): Up to 1600mJ (4ns to 48ns)
- 1064nm mode: Up to 1300mJ (4ns to 48ns)
- 532nm mode: Up to 500mJ (4ns to 48ns)

Aiming Beam

- Wavelength: 635nm
- Output power: < 5mW

Clinical Test Summary [21 CFR 807.92(b)(2)]

No clinical studies were considered necessary and performed.

Conclusion [21 CFR 807.92(b)(3)]

In according with the Federal Food & drug and cosmetic Act, 21 CFR Part 807, and based on the information provided in this premarket notification WON TECH Co., Ltd. concludes that the PASTELLE is substantially equivalent to predicate devices as described herein.